BRIDGES 87 N & S PROJECT NOTES

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 1996, AND ITS LATEST REVISIONS.

2. REFERENCE SHEETS FROM THE RECORD PLANS FOR THESE BRIDGES ARE INCLUDED IN THE PLANS FOR THE CONTRACTOR'S USE. THESE SHEETS ARE LOCATED AT THE END OF THIS (BR200) SERIES OF BRIDGE SHEETS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING IN THE FIELD ANY DIMENSIONS OF THE EXISTING MATERIAL INCLUDED IN THESE REFERENCE SHEETS.

3. DURING CONSTRUCTION, TRAFFIC SHALL BE MAINTAINED AS INDICATED IN THE TRAFFIC CONTROL SHEETS INCLUDED IN THE PLANS.

4. ALL DIMENSIONS SHOWN IN THE PLANS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68°F.

EARTHWORK AND RELATED ITEMS

5. SEE SHEET BR230 AND SECTION 526 OF THE SPECIAL PROVISIONS FOR NOTES REGARDING THE MATERIALS AND CONSTRUCTION SPECIFICATIONS FOR THE CONSTRUCTION OF THE TWO (2) MSE WALLS ON THIS PROJECT.

6. THE EXISTING SUPERSTRUCTURE AND SUBSTRUCTURE SHALL BE COMPLETELY REMOVED INCLUDING STEEL PILING. THIS WORK SHALL BE PAID FOR UNDER ITEM 529.15, "REMOVAL OF STRUCTURE".

7. THE EXISTING SUPERSTRUCTURE STEEL, WHICH IS PAINTED WITH A MATERIAL THAT MAY CONTAIN LEAD, SHALL REMAIN THE PROPERTY OF THE STATE. THE CONTRACTOR SHALL STOCKPILE IT ON THE PROJECT SITE FOR REMOVAL, AND THEN BE PREPARED TO TRANSPORT IT TO A LOCATION DESIGNATED BY THE STATE. NOTIFICATION IS TO BE GIVEN ONE WEEK IN ADVANCE TO DISTRICT TRANSPORTATION ADMINISTRATOR GIL NEWBURY (TELEPHONE NO. (802) 524-5926) INDICATING WHEN THE EXISTING STEEL WILL BE AVAILABLE FOR REMOVAL FROM THE PROJECT SITE. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

8. PAYMENT FOR CONSTRUCTING THE STONE PADS IN THE ROADWAY FILL SLOPES AT THE END OF APPROACH CURBING, AT THE LOCATIONS INDICATED ON SHEET BR202 OF THE PLANS, SHALL BE MADE UNDER ITEM 613.10, "STONE FILL, TYPE I". PAYMENT FOR ANY EXCAVATION REQUIRED TO CONSTRUCT THE PADS NOT PAID FOR ELSEWHERE SHALL BE CONSIDERED SUBSIDIARY TO THIS ITEM.

STRUCTURAL STEEL

9. AFTER SUPERSTRUCTURE STEEL HAS BEEN ERECTED, ELEVATIONS ALONG THE TOP OF THE GIRDERS SHALL BE TAKEN AS DIRECTED BY THE RESIDENT ENGINEER FOR USE IN DETERMINING FINAL GRADES. CONCRETE PORTIONS OF THE ABUTMENTS AND WINGWALLS ABOVE ADJACENT BRIDGE SEAT ELEVATIONS SHALL NOT BE PLACED UNTIL FINISHED GRADES HAVE BEEN DETERMINED BY THE RESIDENT ENGINEER.

10. FLEMING BRACKETS OR SIMILAR FALSEWORK SHALL BE SPACED AS REQUIRED BY DESIGN, BUT SHALL BE LIMITED TO A MAXIMUM OF 4 FEET. THE DESIGN OF FALSEWORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

11. ALL STEEL PAID FOR UNDER ITEM 506.55, "STRUCTURAL STEEL (PLATE GIRDER)" SHALL CONFORM TO AASHTO M270 GRADE 50W UNLESS OTHERWISE NOTED ON THE PLANS.

12. THE CHARPY V-NOTCH TEST IS REQUIRED ONLY FOR THOSE MEMBERS DESIGNATED AS SUCH IN THE PLANS AS SPECIFIED IN SUBSECTION 714.01 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

13. ANY BOLT HOLES IN THE WEBS OF THE FASCIA GIRDERS NOT OTHERWISE FILLED SHALL BE FILLED WITH BUTTON HEAD OR HEX HEAD BOLTS MEETING AASHTO M164, TYPE 3. THE BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH SUBSECTION 506.19 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

14. ALL FIELD CONNECTIONS SHALL BE MADE USING 7/8 INCH DIAMETER BOLTS MEETING AASHTO M164, TYPE 3. HOLES SHALL BE 15/16 INCH DIAMETER, UNLESS OTHERWISE NOTED. ANY CONNECTIONS NOT DESIGNATED SHALL BE DETAILED BY THE FABRICATOR AND SUBMITTED TO THE STRUCTURES ENGINEER FOR APPROVAL.

CONCRETE AND REINFORCING STEEL

15. DECK CONCRETE SHALL BE CONCRETE, CLASS A AND SHALL BE PAID FOR UNDER ITEM 501.22, "CONCRETE, CLASS A". ALL OTHER CONCRETE SHALL BE CONCRETE CLASS B AND SHALL BE PAID FOR UNDER ITEM 501.25, "CONCRETE, CLASS B", UNLESS OTHERWISE NOTED.

16. CONCRETE FOR CURBS SHALL BE SILICA FUME AND SHALL BE PAID FOR UNDER ITEM 501.60, "SILICA-FUME CONCRETE".

17. THE DECKS ARE TO BE POURED IN ONE CONTINOUS POUR WITH A MAXIMUM DURATION OF EIGHT HOURS. IF CIRCUMSTANCES BEYOND THE CONTRACTOR'S CONTROL PREVENT THIS FROM BEING ACCOMPLISHED, A CONSTRUCTION JOINT SHALL BE USED AS SHOWN ON SHEET BR215 OF THE PLANS. A NINETY-SIX HOUR DELAY BETWEEN THE COMPLETION OF ONE DAY'S POUR AND THE BEGINNING OF ANY OTHER ADJACENT POUR SHALL BE OBSERVED.

18. WHEN CONSTRUCTING THE DECKS, THE CONCRETE SHALL BE POURED PARALLEL TO THE CENTERLINE OF BEARING SO AS TO LOAD THE GIRDERS EQUALLY.

19. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF DECKS BETWEEN DRIP NOTCHES.

20. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" X 1".

21. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS SHOWN ON SHEET BR215 OF THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.

22. THE KEY IN CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT. ANY UPWARD KEY SHALL BE PLACED INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.

23. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL. OTHER BRIDGE SEAT AREAS SHALL BE SLOPED 1/4 INCH PER FOOT. ABUTMENT SEATS SHALL BE SLOPED FULL WIDTH TOWARD MIDSPAN. THE ENTIRE BRIDGE SEAT SURFACE SHALL BE SMOOTH STEEL TROWEL FINISHED.

24. ALL SUPERSTRUCTURE, SUBSTRUCTURE, AND APPROACH SLAB REINFORCING STEEL SHALL BE EPOXY COATED AND PAID FOR UNDER ITEM 507.17, "EPOXY COATED REINFORCING STEEL". WHEN EPOXY COATED REINFORCING STEEL IS TO BE CUT, THE UNCOATED ENDS SHALL BE REPAIRED WITH MATERIALS AND PROCEDURES APPROVED BY THE COATING MANUFACTURER. FLAME CUTTING OF EPOXY COATED REINFORCING STEEL WILL NOT BE PERMITTED.

25. MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS INDICATED IN THE PLANS.

26. REINFORCING STEEL PLACEMENT TOLERANCES SHALL BE:
    SPACING: +/- 1"
    CLEARANCE: +/- 1/4"

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of FAIRFAX-FAIRFIELD-ST. ALBANS	Bridge No. 87 N&S
Highway No. I-89	Log Sta. / Surv. Sta.
I-89 OVER VT 104	
87 N & S PROJECT NOTES	
Designed By M. LOZIER	Drawn By G. ROY
Checked By M. LOZIER Date 11/99	Bridge Design Supervisor R.R. WHITCOMB Date 11/99
PROJECT FAIRFAX-FAIRFIELD-ST. ALBANS	PROJECT NO. IM 089-3 (27)
I.G.C. Info. 96a056\Structures\sa056pnl.dgn	sa056pnl
Bridge Sheet No. BR203	Sheet 81 of 370

PLOTTED 15-NOV-2000